

Results of Analyses  
Wastewater Spill Monitoring –  
Beachwalk SPS Spill (Shoreline Stations)  
May 18, 2006

Samples collected Wednesday, May 17, 2006 (55<sup>th</sup> day):  
Spill reported on March 24, 2006.  
NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform<sup>iv</sup></u>	<u>Enterococci<sup>v</sup></u>	<u>C. perfringens<sup>vi</sup></u>	
Magic Island Finger	7:15 A.M.	10	7	4	32.5
Ala Moana Canoe Launch Ramp	7:08 A.M.	240	160	5	23.8
Magic Island Lagoon	7:18 A.M.	1	1	<1	34.5
Ala Wai Harbor Boat Launch Ramp	7:25 A.M.	220	40	8	22.6
Hilton Lagoon	7:30 A.M.	1	1	1	33.7
Hale Koa Hotel	7:40 A.M.	<1	5	<1	34.1
Halekulani-Sheraton	7:55 A.M.	12	2	<1	34.5
Moana Hotel	8:04 A.M.	1	10	<1	34.5
Kapahulu Groin	8:11 A.M.	8	10	<1	33.7
Queen's Surf Beach	8:18 A.M.	1	1	<1	34.6
Natatorium	8:27 A.M.	<1	1	1	34.6

Weather: Overcast, mostly cloudy.

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		<u>Fecal Coliform</u> <sup>4</sup>	<u>Enterococci</u> <sup>5</sup>	<u>C. perfringens</u> <sup>6</sup>	
Date St.Bridge- Upstream	9:05 A.M.	1,300	3,000	60	< 0.1
Seaside Ave.- Upstream	8:37 A.M.	1,600	500	24	16.2
Kaiolu St.-Spill site	8:41 A.M.	2,200	750	40	9.9
McCully St. Bridge.	8:50 A.M.	2,100	720	82	4.8
Ala Moana Blvd. Bridge	8:55 A.M.	510	290	40	13.5

Weather: Mostly cloudy

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<sup>4</sup> APHA, AWWA, WEF, Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition, 1992, Membrane Filter Method for Fecal Coliform.

<sup>5</sup> Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and *Escherichia coli*, EPA/821/R-97/004, March 2000, Membrane Filter Method 1600 for Enterococci.

<sup>6</sup> Bisson, J.W., Cabelli, V.J., "Membrane Filter Enumeration Method for *Clostridium perfringens*," Applied and Environmental Microbiology, Jan 1978; Armon, R., Payment, P., "A Modified mCP Medium for Enumerating *C. perfringens* from Water Samples," Canadian Journal of Microbiology, 1988.